

7.3
10/10/00

United States Environmental Protection Agency
Pollution Report

EPA Region 5 Records Ctr.



308262

I. HEADINGS

DATE: October 16, 2000

SUBJECT: Pollution Report for the Mahoningside Power Plant Site, Warren, Trumbull County, Ohio

FROM: Mark Durno, OSC, USEPA Region V ERB, Westlake, Ohio

TO: C. Beasley, U.S. EPA, OSWER, Washington D.C. (VIA LAN)
R. Karl, Chief, ERB, Chicago, IL (VIA LAN)
J. El-Zein, Chief RS-1, ERB, USEPA Region V, Grosse Ile (VIA LAN)
J. Fredle, OSC, ERB, USEPA Region V, Westlake, OH (VIA LAN)
B. Messenger, Chief ESS, ERB, USEPA Region V, Chicago, IL (VIA LAN)
B. Kush, Chief RS-4, ERB, USEPA Region V, Chicago, IL (VIA LAN)
L. Nachowicz, Chief RS-3, ERB, USEPA Region V, Chicago, IL (VIA LAN)
B. Bolen, Chief RS-4, ERB, USEPA Region V, Chicago, IL (VIA LAN)
K. Khanna, Enf. Spec., ESS, USEPA Region V, Chicago, IL (VIA LAN)
R. Nagle, ORC, USEPA Region V, Chicago, IL (VIA LAN)
J. Malek, Civ. Invest., USEPA Region V, Chicago, IL (VIA LAN)
V. Narsete, ERB, USEPA Region V, Chicago, IL (VIA LAN)
T. Smith, Brownfields, USEPA Region V, Chicago, IL (VIA LAN)
K. Moore, Waste Pest. & Toxics Div., USEPA Region V, Chicago, IL (VIA LAN)
A. Marouf, ERB, Health & Safety, Chicago, IL (VIA LAN)
R. Beals, Ohio EPA, Twinsburg, OH (rod.beals@epa.state.oh.us)
S. Shane, Ohio EPA, Columbus, OH (scott.shane@epa.state.oh.us)
K. Kralj, Comm Devel. Dir., City of Warren, OH (jmusolf@warren.org)
M. Chezick, DOI, Philadelphia, PA (michael_chezik@os.doi.gov)
Duty Officer, National Response Center, Washington, D.C. (fldr-NRC@comdt.uscg.mil)

CC: T. Smith, RS-1, ERB, USEPA, Grosse Ile, MI (VIA LAN)

POLREP 1 - Initial - Fund-lead Removal

Start Date: October 10, 2000

II. BACKGROUND

Site No:	B5P4
NPL Status:	Non-NPL
Response Authority:	CERCLA
State Notification:	Ohio EPA
Completion Date:	TBD
Latitude:	41°14'37.5" N
Longitude:	80°49'42.8" W
CERCLA Incident Category:	Removal - Fund-lead

III. SITE INFORMATION

A. Incident Category: Removal- Fund-lead

B. Site Description

1. Site Location and Background

The Mahoningside Power Plant site is located at 650 Summit Street in Warren, Trumbull County, Ohio. The geographical coordinates for the site are latitude 41°14'37.5" north and longitude 80°49'42.8" west. The site is located in a mixed residential, industrial, and commercial area. The site is bordered to the south by Summit Road. A railroad line is located to the north of the site. The west portion of the site is bound by Tod Avenue, and to the east of the site is the Mahoning River and Mahoning Avenue. There is a school within one mile of the site (to the south). Approximately one half mile to the southeast of the site is City Hall, and there is a city park less than 1/4 mile to the south.

From the early 1900's until the early 1970's, the former Mahoningside Power Plant operated as an electric-producing facility for the city. It may have been subsequently used for transformer stripping operations. Known contamination exists at the site as well as in the Mahoning River adjacent to the site. The contaminants of concern are polychlorinated biphenyls (PCBs) and mercury.

Since 1995, the City of Warren has worked to demolish the former power plant in order for the property to be re-used as part of redevelopment. During the course of the demolition project, PCBs were found to be at the site in the basement and may also be leaching into the soft shale bedrock through cracks in the lines and floor and through open sumps of the facility basement. In late spring, 2000, the city ran out of funding to complete the project. There are currently 30 roll-off containers with PCB material at the site, and PCB contaminated sediment is known to still be present on site. Additional sampling activities have been conducted in the Mahoning River by Ohio EPA and PCBs have been identified in river sediments near the site.

On July 21, 2000, the City of Warren requested assistance to address remaining contamination at the Mahoningside site. In early August, U.S. EPA obligated \$25,000 of emergency response funding to take over the de-watering and water treatment systems on site. In September, 2000, an Action Memorandum was approved to conduct clean-up of known PCB contaminated materials on site and assess the entire site, including its sub-surface, for contamination.

IV. RESPONSE INFORMATION

A. Situation

1. Current situation

On October 10, 2000, U.S. EPA initiated a removal action at the Mahoningside Power Plant site to stabilize and remove PCB and potential mercury contaminated soils, debris, and sediments. U.S. EPA is continuing water treatment efforts initiated by a City of Warren contractor. A U.S. EPA command post has been established on a western portion of the site.

2. Removal actions to date:

On October 10, U.S. EPA mobilized its contractors, EQM (ERRS) and E & E (START), and equipment to site. ERRS initiated safety improvements in and around the main discharge pipe (42 inch pipe) from the facility to aid in decontamination of the line. Samples were collected from the pre-staged roll-off boxes of PCB contaminated soils and were sent to an independent laboratory for the analysis of PCBs, total mercury, and TCLP metals. The data is to be used for waste disposal profiling. Non-working hours site security was initiated.

On October 11, 2000, ERRS completed safety improvements to the 42 inch discharge line and initiated decontamination of that line. Samples were collected from the accessible sumps in the facility basement and were field screened for PCB content. ERRS assessed the current water treatment system and recommended improvements and winterization of the system. A partial change out of carbon was conducted on one of the activated carbon units for the water treatment system. Non-working hours site security continued.

On October 12, 2000, ERRS continued to clean out the 42 inch discharge line by vacuuming out the sediments and began high pressure washing of the line. Sampling of sumps and trenches for field screening continued. Six of the samples collected were shipped to an independent laboratory for analysis of PCBs. Non-working hours site security continued.

On October 13, 2000, ERRS continued to clean out the 42 inch discharge line by vacuuming out the sediments and continued high pressure washing of the line. Sampling of sumps and trenches for field screening continued. Non-working hours site security continued.

B. Next Steps

- Continue clean out of the 42" discharge line, as well as other lines, sumps, and drains in the facility substructure.
- Collect, stabilize, and contain remaining contaminated debris and sediment.
- Assess PCB contamination remaining at the site in the sub-surface and Mahoning River.
- Dispose of PCB contaminated soils which are staged in roll-off boxes.

C. Key Issues

- On October 12, 2000, OSCs Durno and Fredle met on-site with Kendall Moore of U.S. EPA's Waste Pesticides and Toxics Division to discuss future assessment and removal options for this site.

V. Cost Information

Estimated Costs To Date (as of 10/13/00):

ERRS	\$ 30,420.75
EPA	\$ 3,950.00
START	\$ 3,600.00